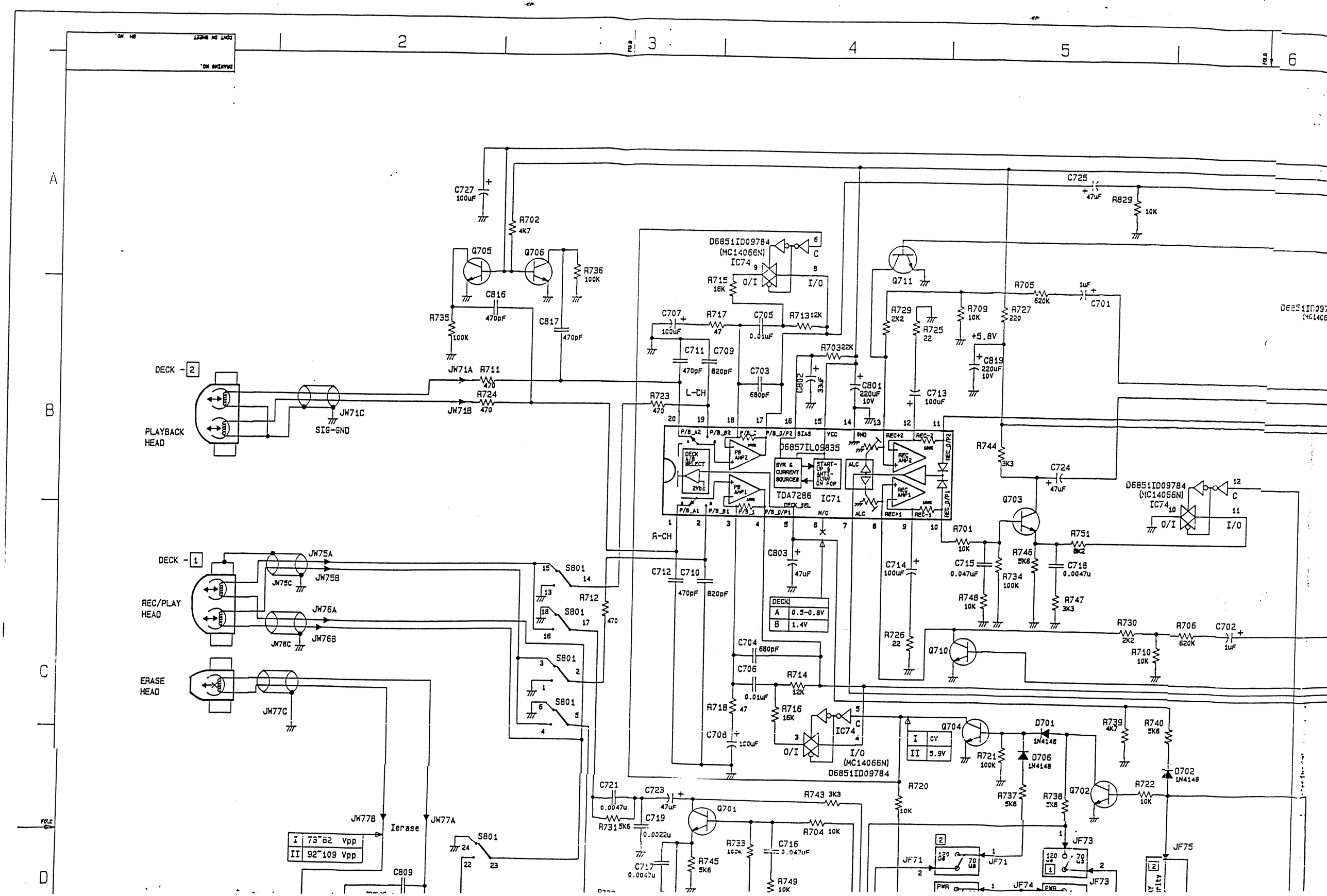
# THOMSON TM9320

MODEL

SERVICE MANUAL


2
3
4
5
6
A
B
C
D
C727 100uF
R702 4K7
Q705
Q706
R736 100K
C816 470pF
C817 470pF
R735 100K
C725 47uF
R829 10K
D6851ID09784 (MC14066N) IC74
R715 16K
O/I
I/O
C707 100uF
R717 47
C705 0.01uF
R713 12K
C711 470pF
C709 820pF
R703 22K
C703 680pF
C802 33uF
C801 220uF 10V
R723 470
L-CH
Q711
R705 620K
1uF
C701
R729 2K2
R725 22
R709 10K
R727 220
+5.8V
C819 220uF 10V
C713 100uF
DECK - 2
JW71A
R711 470
R724 470
JW71B
JW71C
SIG-GND
PLAYBACK HEAD
D6857IL09835
TDA7286
IC71
DECK A/B SELECT
2VDC
PB AMP2
PB AMP1
SVR & CURRENT SOURCES
START-UP & ANTI-TURN ON POP
ALC
REC AMP2
REC AMP1
R-CH
R744 3K3
C724 47uF
Q703
D6851ID09784 (MC14066N) IC74
R701 10K
R751 5K6
C715 0.047uF
R746 5K6
C718 0.0047u
R734 100K
R748 10K
R747 3K3
C714 100uF
R726 22
Q710
R730 2K2
R706 620K
C702 1uF
R710 10K
DECK - 1
JW75A
JW75B
JW75C
JW76A
JW76B
JW76C
REC/PLAY HEAD
S801
R712 470
C712 470pF
C710 820pF
C803 47uF
DECK
A 0.5~0.8V
B 1.4V
C704 680pF
C706 0.01uF
R714 12K
R718 47
R716 16K
C708 100uF
IC74
I/O (MC14066N) D6851ID09784
ERASE HEAD
JW77C
JW77B
JW77A
Ierase
I 73~82 Vpp
II 92~109 Vpp
S801
C809
C721 0.0047u
C723 47uF
R731 5K6
C719 0.0022u
C717 0.0047u
Q701
R743 3K3
R704 10K
R733 100K
C716 0.047uF
R745 5K6
R749 10K
Q704
I 0V
II 5.9V
D701 1N4148
D706 1N4148
R721 100K
R720 10K
R739 4K7
R740 5K6
D702 1N4148
R737 5K6
R738 5K6
Q702
R722 10K
JF71
JF73
JF74
JF75
PWR

| UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING: - | | | | | REV NO. |
|---|---|---|---|---|---|
| APPLIED PRACTICES | SURFACES | TOLERANCE ON MACHINED DIMENSIONS FRACTIONS | DECIMALS | ANGLES | |
| . . . . . | ✓ | ± | ± | ± | CONT ON SHEET — SH NO. |

Thomson Consumer Electronics, Inc.

#####176D

CONT ON SHEET 2

TITLE

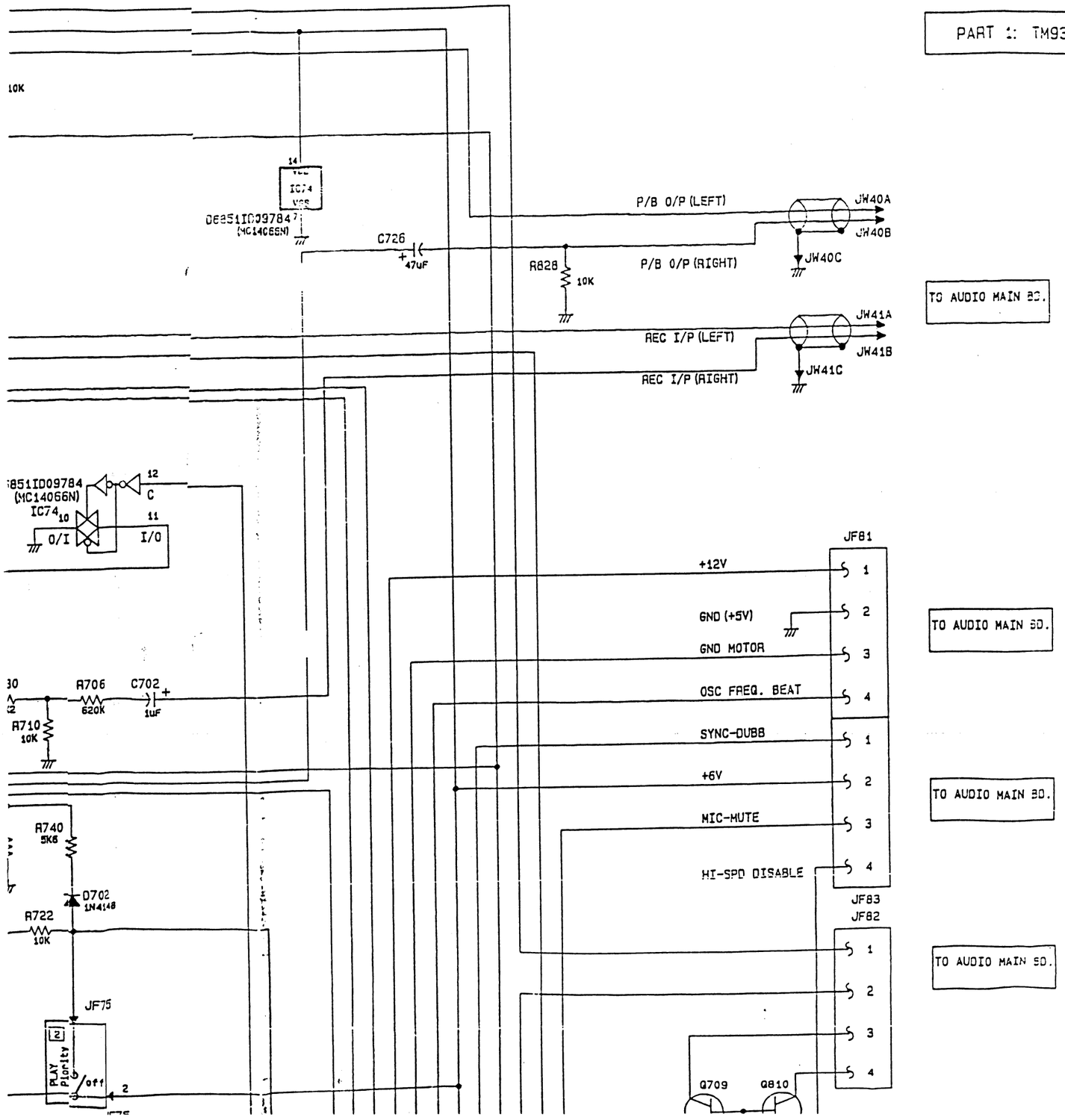
*****SCHEMATIC (TAPE)

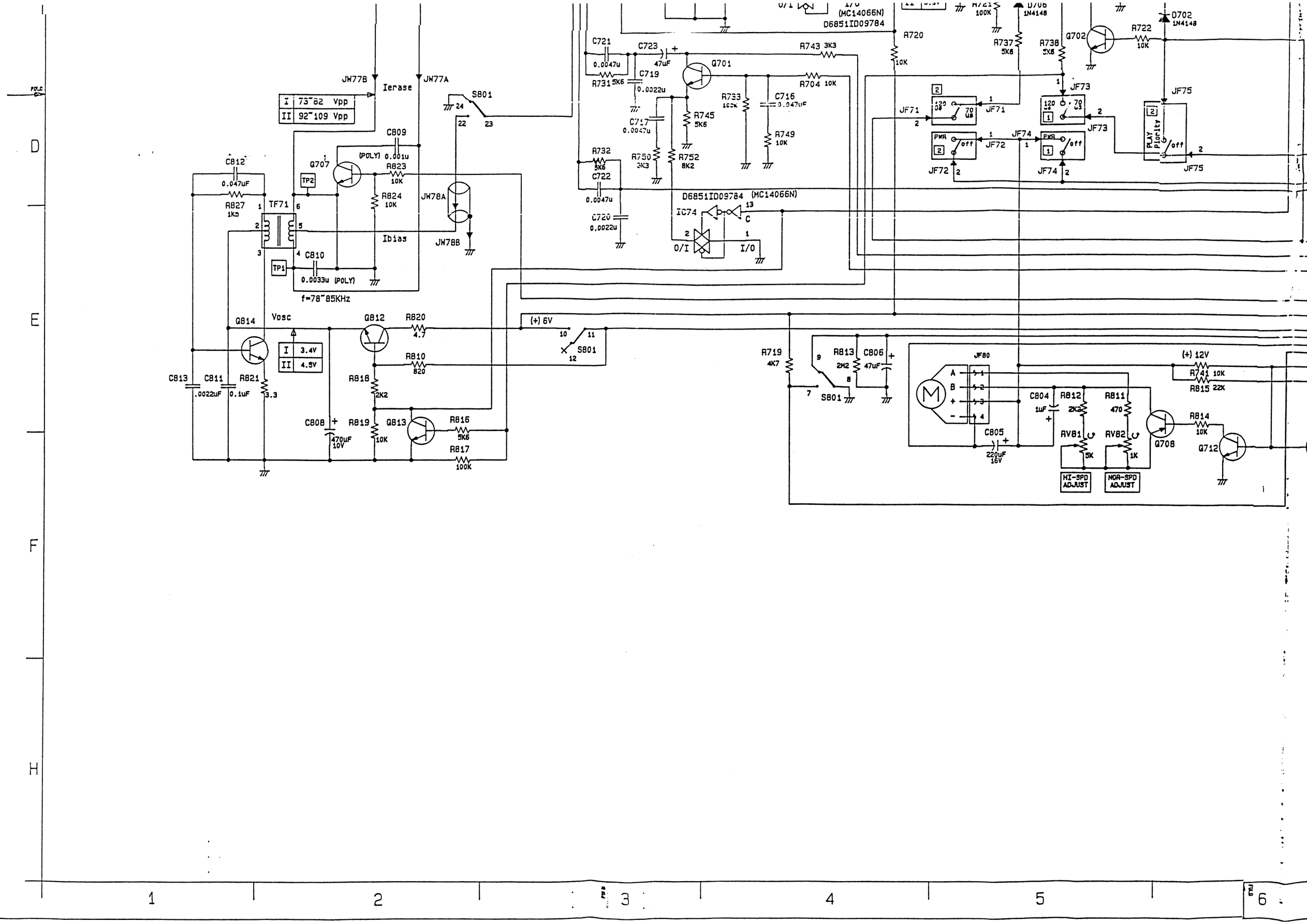
FIRST MADE FOR TM9320/RC900CD/RP7962A/TM9330 FILENAME:

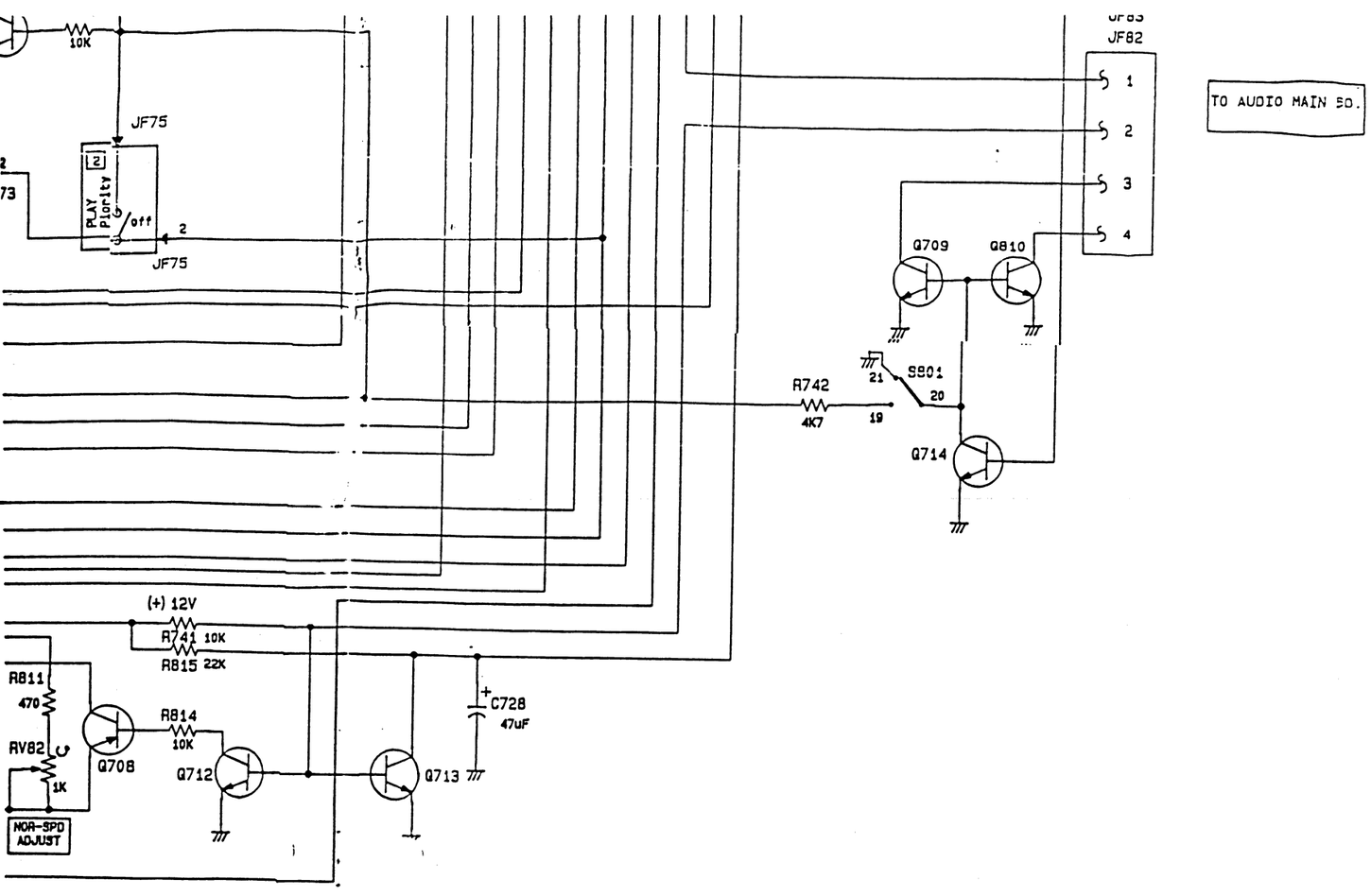
PART 1: TM9330/RC900CD

NOTES:

1. Unless otherwise specifies,
   A. All resistors value in ohms.
   B. Capacitors value < 1 in uF.
   C. Capacitors value > 1 in pF.
2. Voltages are positive with respect to ground under no signal conditions and volume control min.
3. Replace transistors with type shown or order by catalog No. as listed in parts list.
4. Unless otherwise stated all voltages taken in radio "ON" position.
5. * Indicates critical safety component. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.




JW77B
Ierase
JW77A
I 73~82 Vpp
II 92~109 Vpp
S801
24
22
23
C809
(POLY) 0.001u
C812
0.047uF
Q707
TP2
R823
10K
R824
10K
R827
1K3
TF71
JW78A
JW78B
Ibias
C810
0.0033u (POLY)
TP1
f=78~85KHz
Q814
Vosc
Q812
R820
4.7
(+) 6V
I 3.4V
II 4.5V
R810
820
C813
.0022uF
C811
0.1uF
R821
3.3
R818
2K2
C808
470uF 10V
R819
10K
Q813
R816
5K6
R817
100K
S801
10
11
12
C721
0.0047u
C723
47uF
R731 5K6
C719
0.0022u
Q701
R743 3K3
R704 10K
R733
C716
0.047uF
R745
5K6
C717
0.0047u
R749
10K
R732
5K6
R750
3K3
R752
8K2
C722
0.0047u
C720
0.0022u
D6851ID09784 (MC14066N)
IC74
13
C
2
1
O/I
I/O
D6851ID09784 (MC14066N)
R720
10K
R737
5K6
R738
5K6
Q702
R722
10K
D702
1N4148
JF73
JF75
JF71
JF72
JF74
PWR
off
PLAY Piority
R719
4K7
9
R813
2M2
C806
47uF
8
7
S801
JF80
A
B
+
-
C804
1uF
C805
220uF 16V
R812
2K2
R811
470
RV81
5K
RV82
1K
HI-SPD ADJUST
NOR-SPD ADJUST
Q708
(+) 12V
R741 10K
R815 22K
R814
10K
Q712



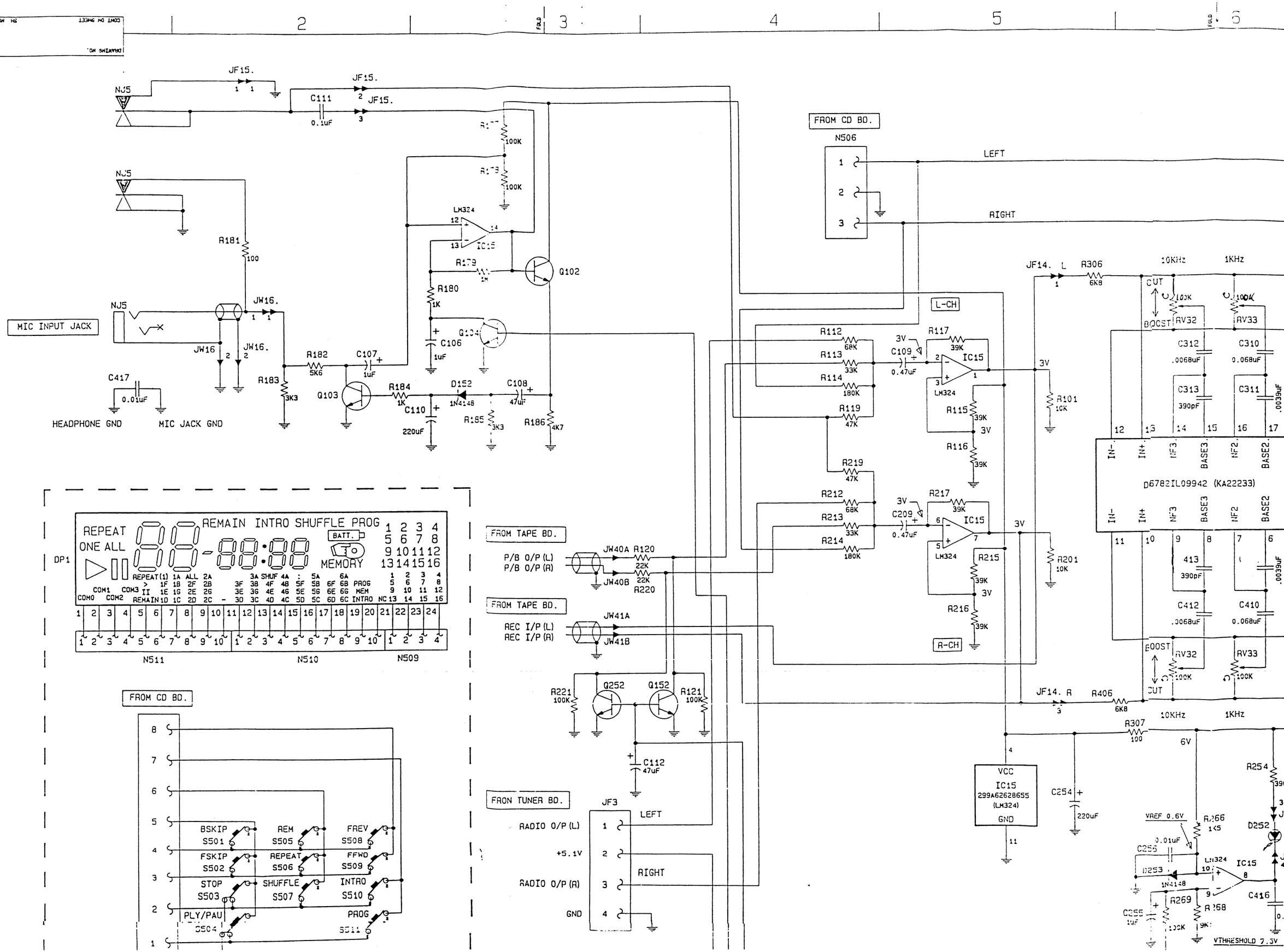

REVISIONS

| | | |
|---|---|---|
| 4. SALLY CHIA 18 MAR 93 | 2. PERLE CHUA 12 SEP 92 | 1 SALLY CHIA 21 JULY 92 |
| ADDED : SHEET3 FOR MODEL TM9330 | CHANGED: C725, C726 47uF WAS 1uF<br>R705, R706 82K WAS 100K<br>R813 2M2 WAS 3M3<br>C806 47uF WAS 22uF<br>ADDED : R828, R829 1K<br>TP1, TP2 | DELETED: D703, J790, J791, D704, D705, R825, JW72, JW73<br>CHANGED: R811 470 WAS 100<br>R812 2K2 WAS 1K<br>RV82 1K WAS 5K<br>Q708 PNP WAS NPN<br>JF81 4 PINS WAS 6 PINS<br>ADDED : Q712, Q713, Q714 NPN<br>C725, C726 1uF,<br>C727 100uF, C728 47uF,<br>JF83 4 PINS, R814 10K,<br>R815 22K & SHEET2 |
| | 3. PERLE CHUA 22 SEP 92<br>DELETED: R707, R708 | |

| | | | |
|---|---|---|---|
| MADE BY: PERLE CHUA | APPROVALS | ENGINEERING | DIV OR DEPT |
| ISSUED: 1 JUNE 1992 | HH Chien | SINGAPORE | LOCATION |

176DE

CONT ON SHEET 2


2
3
4
5
6
FOLD
A
B
C
D
JF15.
NJ5
C111
0.1uF
R177
100K
R178
100K
LM324
IC15
R179
1M
Q102
R180
1K
C106
1uF
Q104
R181
100
NJ5
MIC INPUT JACK
JW16.
JW16
JW16.
C417
0.01uF
HEADPHONE GND
MIC JACK GND
R182
5K6
C107
1uF
R183
3K3
Q103
R184
1K
C110
220uF
D152
1N4148
R185
3K3
C108
47uF
R186
4K7
REPEAT
ONE ALL
REMAIN INTRO SHUFFLE PROG
BATT.
MEMORY
DP1
COM0 COM1 COM2 COM3 REMAIN
N511
N510
N509
FROM CD BD.
BSKIP S501
REM S505
FREV S508
FSKIP S502
REPEAT S506
FFWD S509
STOP S503
SHUFFLE S507
INTRO S510
PLY/PAU S504
PROG S511
FROM TAPE BD.
P/B O/P (L)
P/B O/P (R)
JW40A
JW40B
R120
22K
R220
22K
FROM TAPE BD.
REC I/P (L)
REC I/P (R)
JW41A
JW41B
R221
100K
Q252
Q152
R121
100K
C112
47uF
FRON TUNER BD.
JF3
RADIO O/P (L)
+5.1V
RADIO O/P (R)
GND
LEFT
RIGHT
FROM CD BD.
N506
LEFT
RIGHT
L-CH
R112
68K
R113
33K
R114
180K
C109
0.47uF
R117
39K
IC15
LM324
R115
39K
R116
39K
R119
47K
R219
47K
R212
68K
R213
33K
R214
180K
C209
0.47uF
R217
39K
IC15
LM324
R215
39K
R216
39K
R-CH
3V
R101
10K
R201
10K
JF14. L
R306
6K8
10KHz
1KHz
CUT
BOOST
RV32
RV33
C312
.0068uF
C310
0.068uF
C313
390pF
C311
.0039uF
IN-
IN+
NF3
BASE3
NF2
BASE2
D6782IL09942 (KA22233)
C412
.0068uF
C410
0.068uF
JF14. R
R406
6K8
R307
100
6V
VCC
IC15
299A62628655
(LM324)
GND
C254
220uF
R254
390
VREF 0.6V
R266
1K5
C255
0.01uF
D253
1N4148
LM324
IC15
R269
R268
9K1
C256
1uF
C416
VTHRESHOLD 7.3V

Thomson Consumer Electronics, Inc.

#####176D81130001

CONT ON SHEET F SH NO. 1

UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING: -

| APPLIED PRACTICES | SURFACES | TOLERANCE ON MACHINED DIMENSIONS FRACTIONS | DECIMALS | ANGLES |
|---|---|---|---|---|
| . . . . . | ✓ | ± | ± | ± |

REV NO.

CONT ON SHEET SH NO.

TITLE

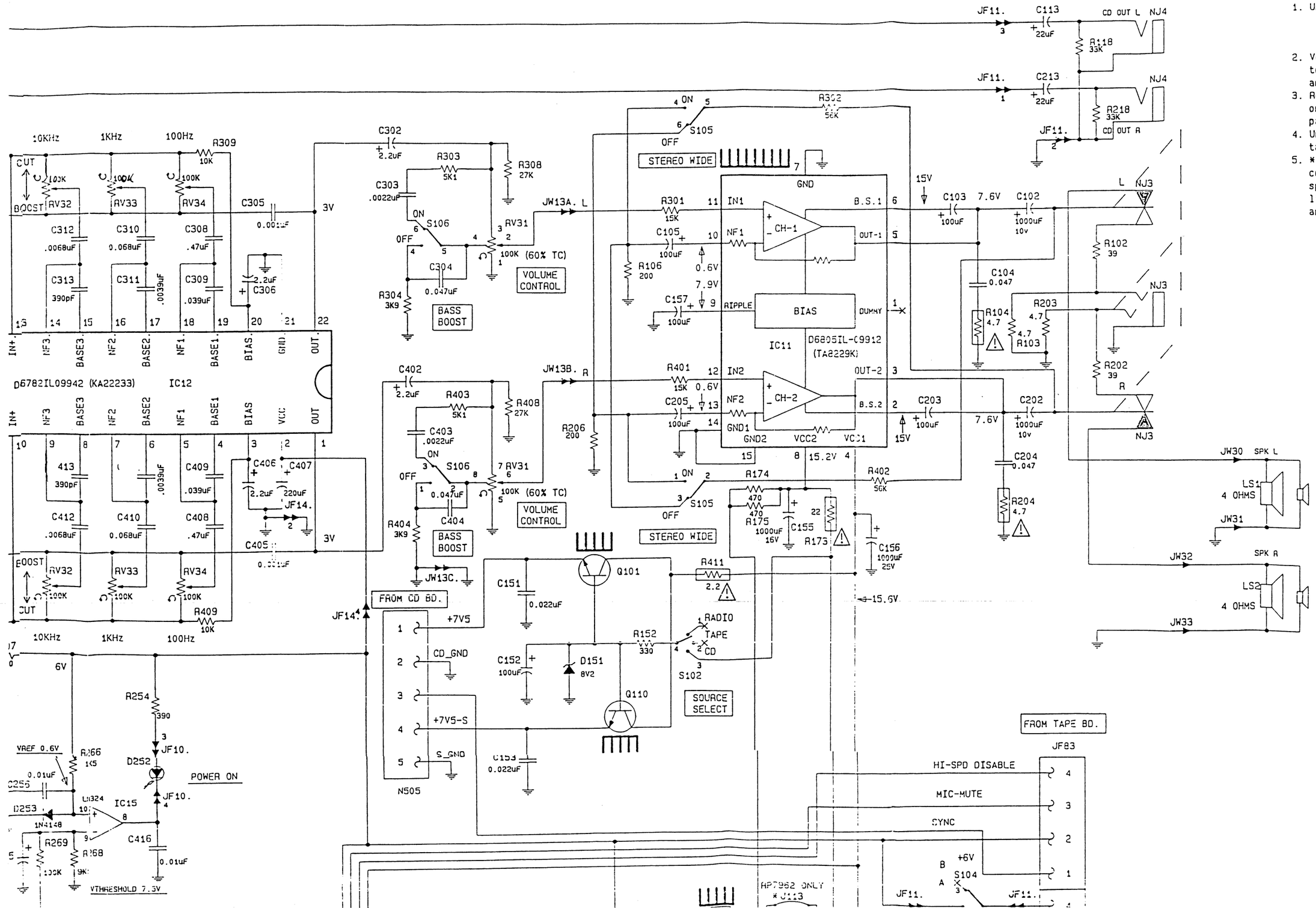
*****SCHEMATIC (AUDIO)

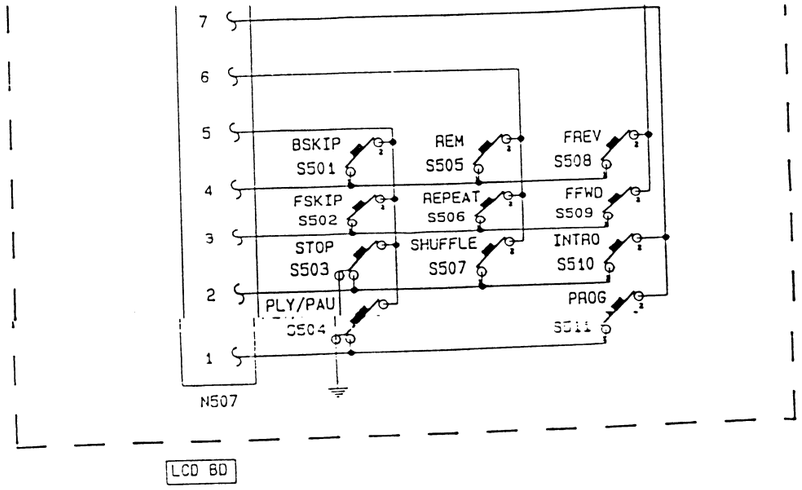
FIRST MADE FOR TM9320 / RP7962A / RC900CD

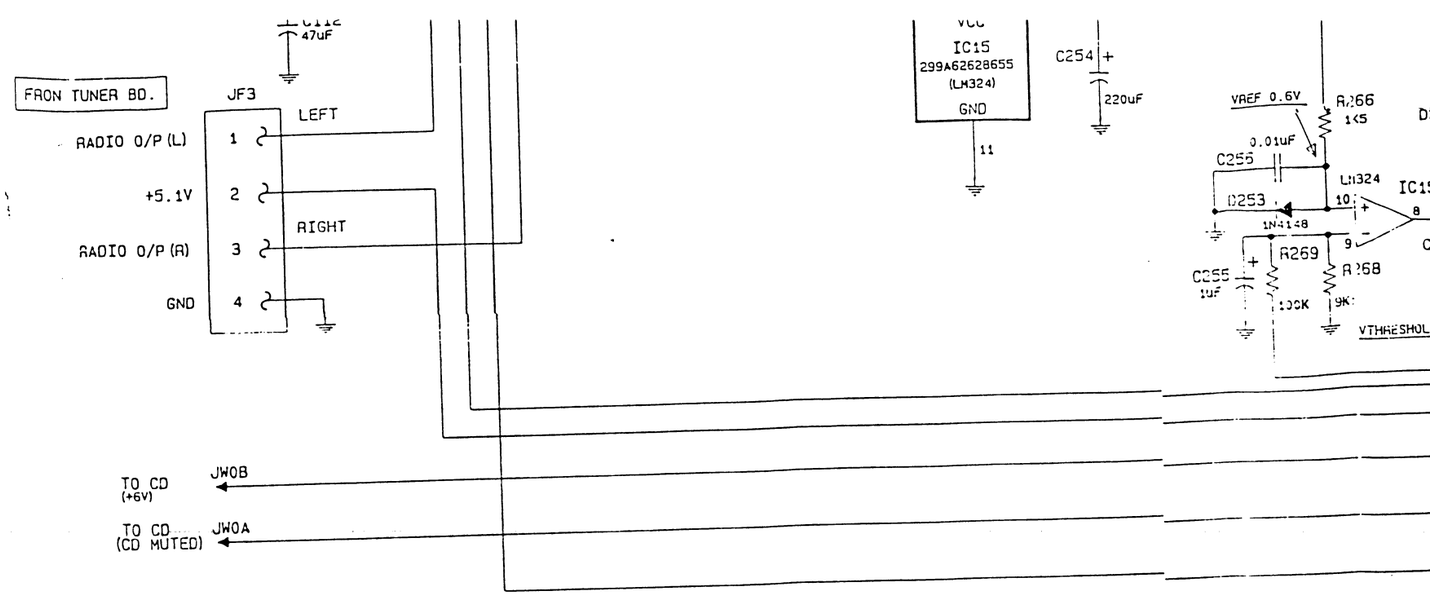
FILENAME : - 7962AMS1.SCH

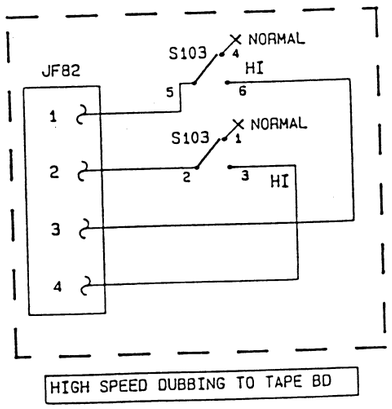
NOTES:

1. Unless otherwise specifies.
   A. All resistors value in ohms.
   B. Capacitors value < 1 in uF.
   C. Capacitors value > 1 in pF.
2. Voltages are positive with respect to ground under no signal conditions and volume control min.
3. Replace transistors with type shown or order by catalog No. as listed in parts list.
4. Unless otherwise stated all voltages taken in radio "ON" position.
5. * Indicates critical safety component. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.

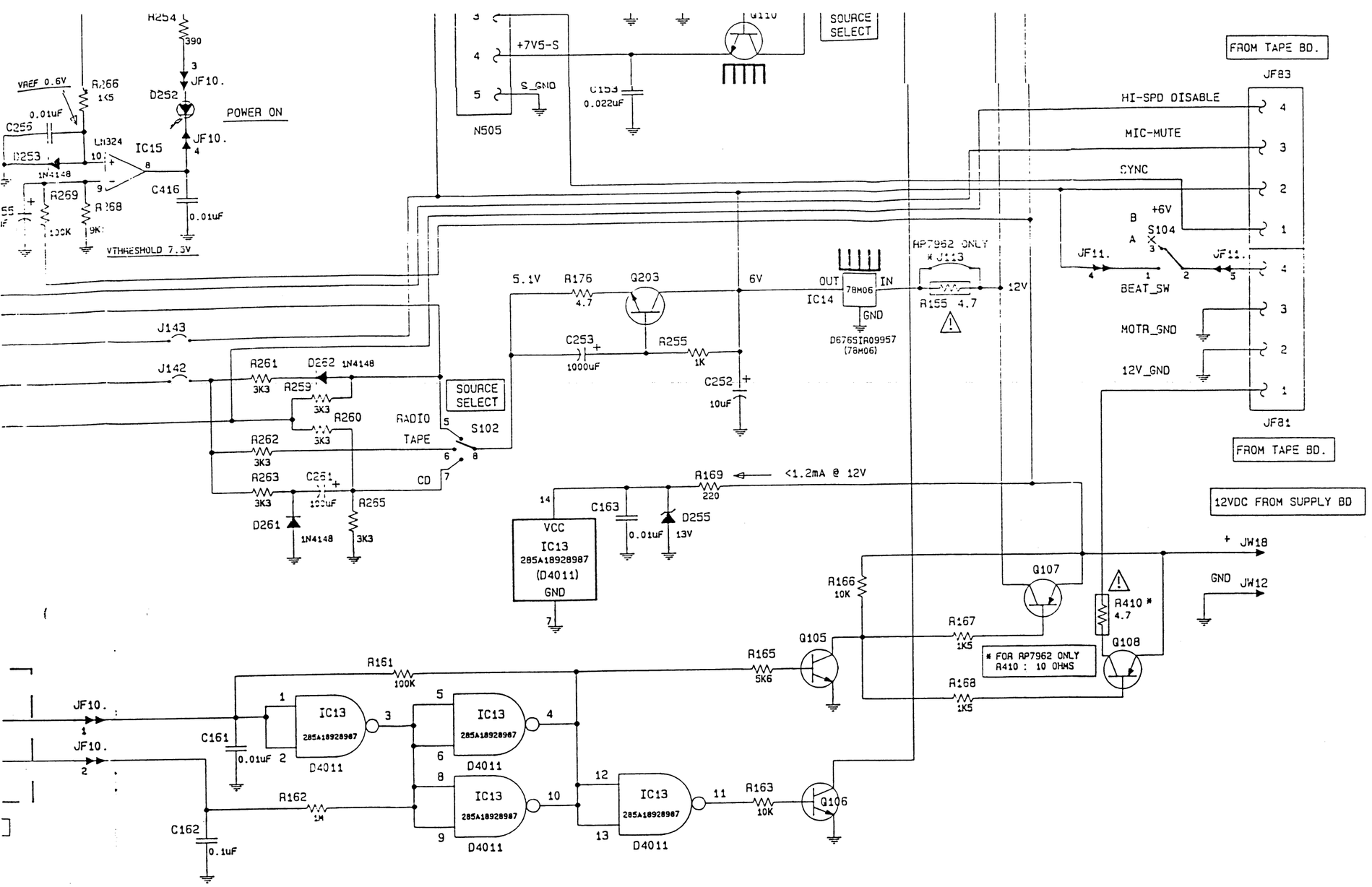



7
6
5
4
3
2
1
BSKIP
S501
REW
S505
FREV
S508
FSKIP
S502
REPEAT
S506
FFWD
S509
STOP
S503
SHUFFLE
S507
INTRO
S510
PLY/PAU
S504
PROG
S511
N507
LCD BD


C112
47uF
FRON TUNER BD.
JF3
RADIO O/P (L)
+5.1V
RADIO O/P (R)
GND
LEFT
RIGHT
1
2
3
4
TO CD
(+6V)
JW0B
TO CD
(CD MUTED)
JW0A
VCC
IC15
299A62628655
(LM324)
GND
11
C254
220uF
VREF 0.6V
R266
1K5
0.01uF
C256
D253
1N4148
LM324
R269
C255
1uF
100K
R268
9K
VTHRESHOL


JF82
S103
NORMAL
HI
S103
NORMAL
HI
1
2
3
4
5
6
HIGH SPEED DUBBING TO TAPE BD


POWER ON/OFF
S101
JF10.
1
JF10.
2
POWER ON/OFF BD.




REVISIONS

| | | | |
|---|---|---|---|
| 5. SALLY CHIA 18 MAR 93 | 3. PERLE CHUA 23 SEPT '92 | 2. PERLE CHUA 15 SEPT '92 | : SALLY CHIA 6 JULY 92 |
| DELETED: R105, R205, C315 & C415<br>CHANGED: R302, R402 56K WAS 22K<br>R114, R214 180K WAS 150K<br>N505 5 PINS WAS 6 PINS<br>ADDED : R410 10, R411 2.2 | CHANGED: R173 22 FUS WAS 47<br>R155 22 FUS WAS 47<br>R112, R212 68K WAS 100K<br>R303, R403 5K1 WAS 10K<br>C303, C403 .0022u WAS .001u<br>ADDED : J113 FOR AP7962 ONLY | CHANGED: C102, C202 1000uF WAS 2200uF<br>C155 16V WAS 25V;<br>R301, R401 15K WAS 100K;<br>C105, C205 100uF WAS 220uF;<br>R106, R206 200 WAS 220;<br>R303, R403 10K WAS 15K;<br>C302, C402 2.2uF WAS 1uF;<br>R304, R404 3K9 WAS 6K8;<br>JW18 + WAS 12V<br>ADDED : C416 0.01uF<br>DELETED: R270 | CHANGED: R179 1M WAS 510K<br>R270 56K WAS 1K<br>C303, C403 0.001u WAS 470P<br>C105, C205 220uF WAS 100uF<br>C157 100uF WAS 47uF<br>JF81 8 PINS WAS 6 PINS<br>ADDED : R309, R409 10K<br>C113, C213 22uF<br>C112 47uF<br>Q104 NPN<br>J142, J143 5MM BUSS WIRE<br>DELETED: R111, R211, R264<br>Q151 & Q251<br>CHANGED: R113, R213 33K WAS 100K<br>R114, R214 150K WAS 100K<br>R115, R116, R117, R119, R215, R216, R217, R219 39K WAS 100K<br>R121, R221 100K WAS 22K<br>R303, R403 15K WAS 6K8<br>R106, R206 220 WAS 120<br>R118, R218 33K WAS 1K |
| 6. SALLY CHIA 10 MAY 93 | 4. SALLY CHIA 20 NOV 92 | | |
| CHANGED: R155 4.7 WAS 10<br>R410 4.7 WAS 10 | CHANGED: R119, R219 47K WAS 39K<br>ADDED : C417 | | |

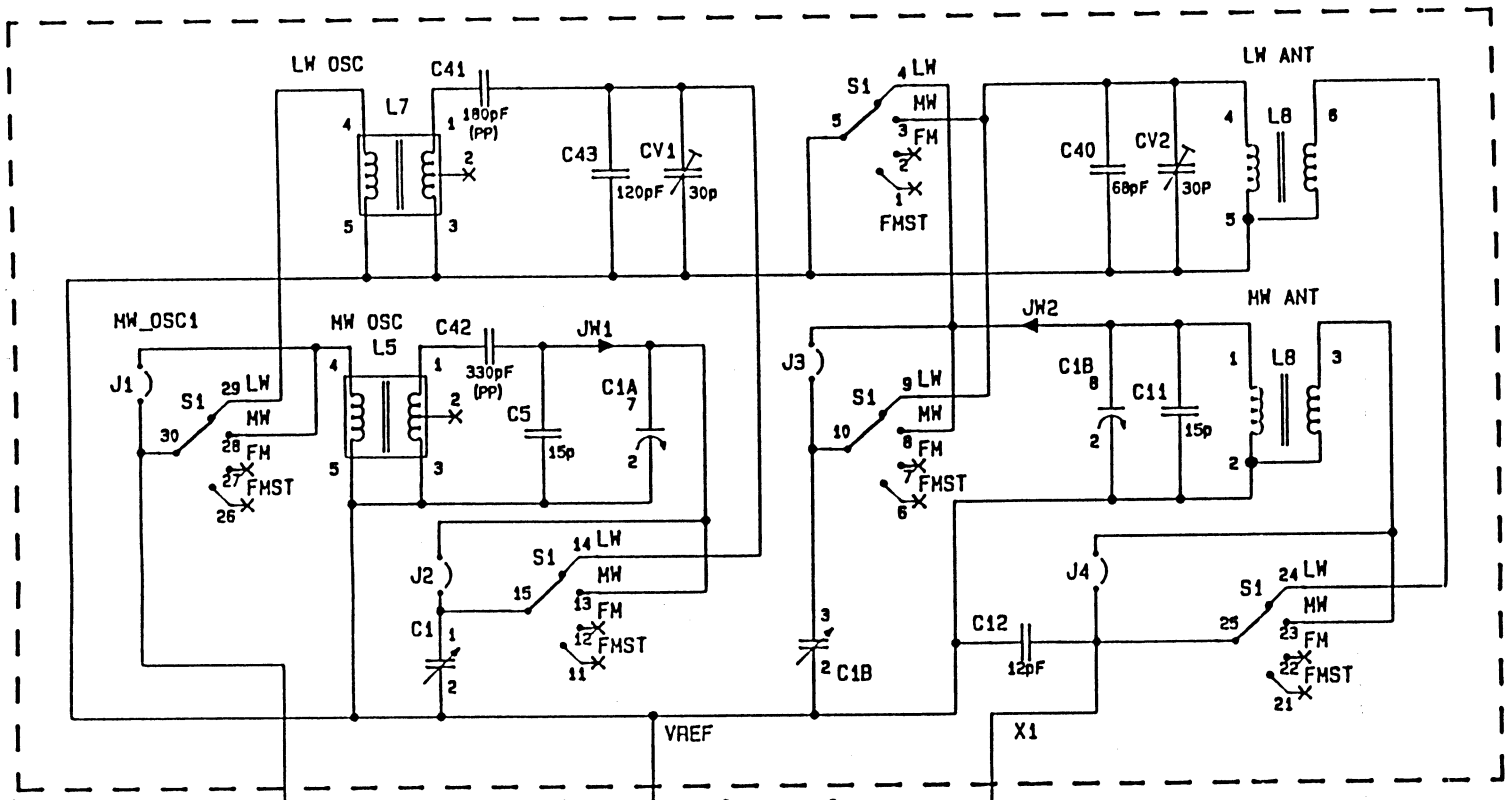
MADE BY SALLY CHIA
ISSUED 1 JUNE 1992
APPROVALS HHChin
ENGINEERING — DIV OR DEPT
SINGAPORE — LOCATION
176D811300
CONT ON SHEET F

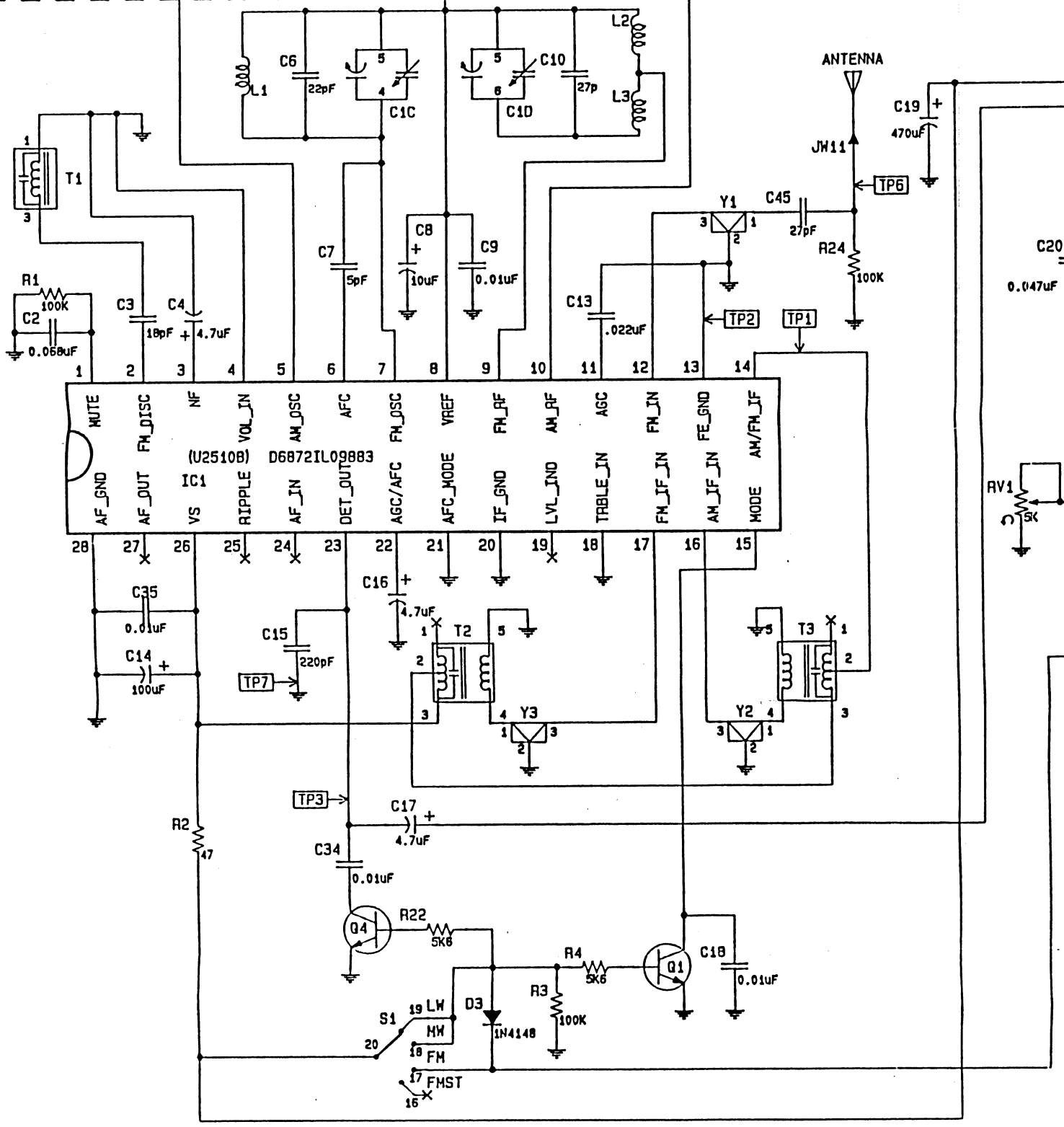
PRINT

6 7 8 9 10

UNLESS OTHE
APPLIED PRACTIC

BLOCK A (EAP VERSION) GROUP 005A




| IC2 | KA2261 | LA3361 |
|---|---|---|
| R6 | × | ✓ |
| C23 | × | ✓ |

| VERSION | EAP (LW) | US |
|---|---|---|
| J1-J4 | X | ✓ |
| R23 | X | ✓ |
| C40 | ✓ | X |
| C41 | ✓ | X |
| L7 | ✓ | X |
| | | |
| | | |

| UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING: - | | | | |
|---|---|---|---|---|
| APPLIED PRACTICES | SURFACES | TOLERANCE ON MACHINED DIMENSIONS | | |
| | | FRACTIONS | DECIMALS | ANGLES |
| . . . . . | ✓ | ± | ± | ± |

TITLE

# *****SCHEMATIC (TUNER)

FIRST MADE FOR TM9320 / RP7962A

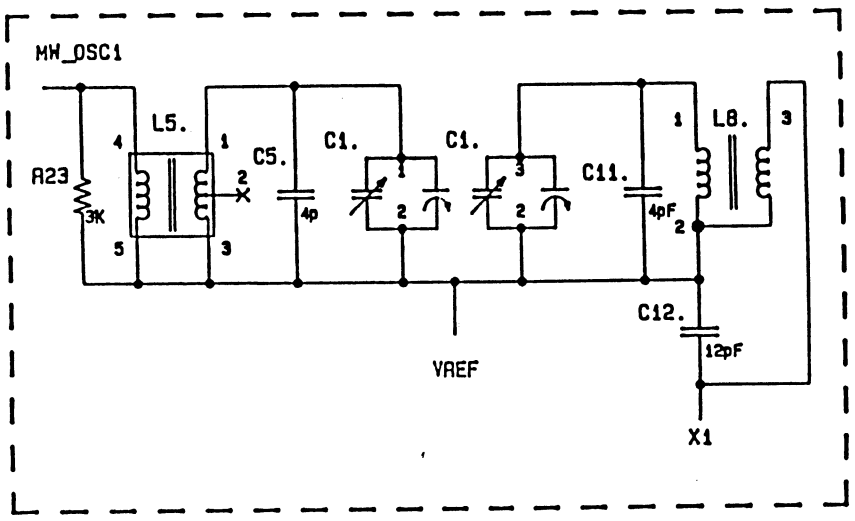
7962ATS1.SCH

**THOMSON**

Video Europe GmbH

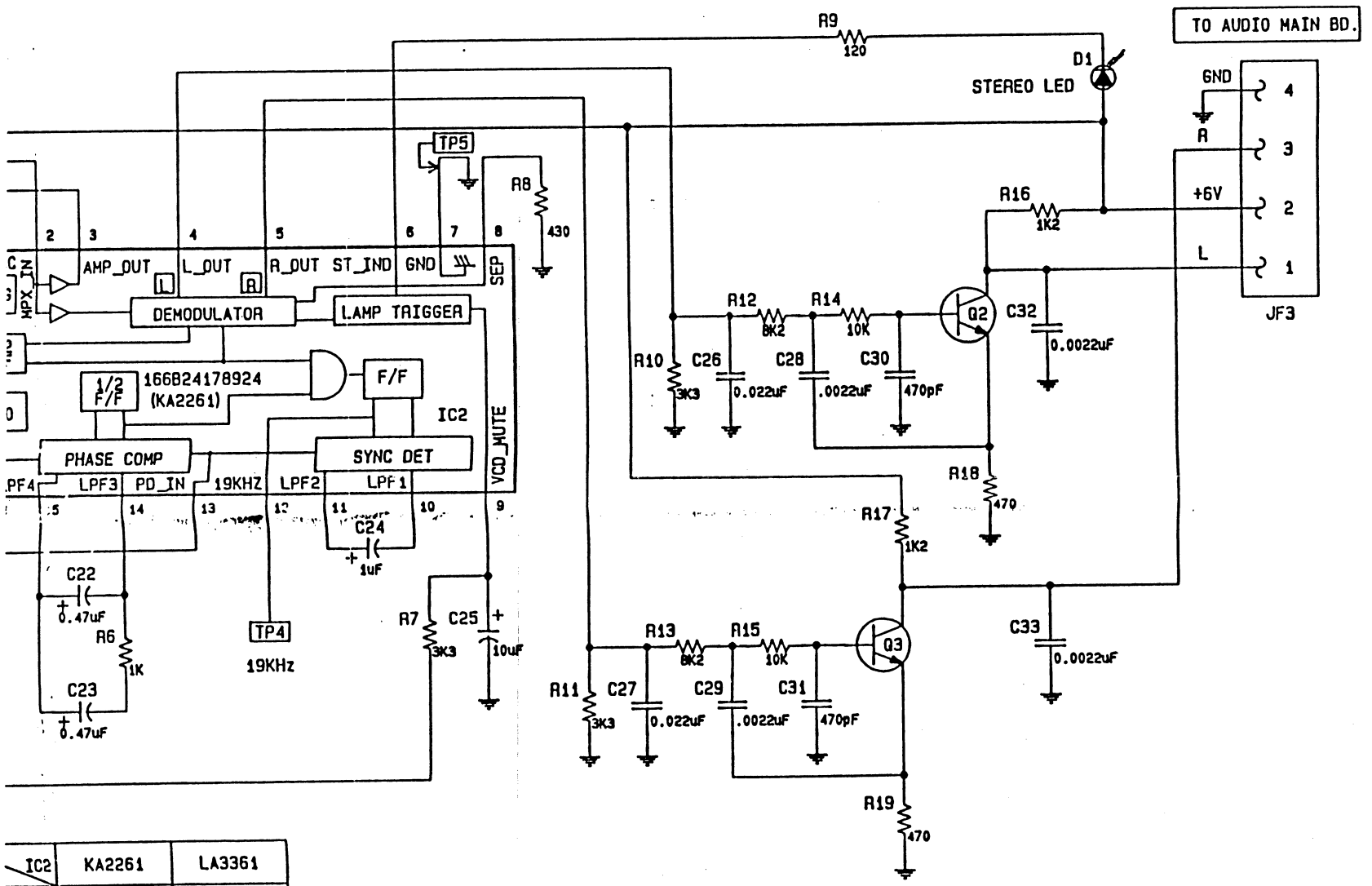
Funkschneise 5-9, 2800 Bremen 44

## BLOCK A (US VERSION) GROUP 001A




NOTES:

1. Unless otherwise specifies,
   A. All resistors value in ohms.
   B. Capacitors value < 1 in uF.
   C. Capacitors value > 1 in pF.
2. Voltages are positive with respect to ground under no signal conditions and volume control min.
3. Replace transistors with type shown or order by catalog No. as listed in parts list.
4. Unless otherwise stated all voltages taken in radio "ON" position.
5. * Indicates critical safety component. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.




| IC2 | KA2261 | LA3361 |
|---|---|---|
| | × | ✓ |
| | × | ✓ |

| ION | EAP (LW) | US |
|---|---|---|
| 4 | X | ✓ |
| | X | ✓ |
| | ✓ | X |
| | ✓ | X |
| | ✓ | X |
| | | |
| | | |

REVNC .

| REVISIONS | | PRINTS TO | |
|---|---|---|---|
| 1 | SALLY CHIA 4 SEPT 92 | TAM | TAHK |
| CHANGED: R16 & R17 1K2 WAS 470<br>ADDED : TEST POINTS (TP) | | | |
| 2. | SALLY CHIA 20 NOV 92 | | |
| CHANGED: C5 15p WAS 18p<br>C10 27p WAS 22p<br>C11 15p WAS 18p<br>R24 100K WAS 1K<br>C5(GP 001A) 4p WAS 8p | | | |

| MADE BY | APPROVALS | | |
|---|---|---|---|
| PERLE CHUA | HHdin | ENGINEERING | DIV OR DEPT |
| ISSUED JUNE 1 1992 | | SINGAPORE | LOCATION |

216C8081

CONT ON SHEET F SH NO. 1

4 5 6

N501
LD
LD GND
LD MONITOR
LD VR
R550 100
N502
PD F
PD E
PD K
PD GND
PD A
PD B
PD C
PD D
R551 1K
C552 100uF
+5V
L503 100uH
C538 0.001uF
Q509
R541 33
C537 100uF
VC
C550
R549 10K
RV51 20K
C551 0.01uF
R542 22K
C539 .0022uF
C549 0.033uF
IC51
CXA1081S
CC2 VR EI EO E F VC PD2 PD1 PD LC P/N RF(-) AFO AFI
CC1 VEE FE-BIAS FE TE DEFECT MIRR CP CB DGND ASY EFM FOK LOCK VCC
C541 0.01uF
C540 220uF
C547 22uF
RV52 50K
C546 33uF
R548
R547 1K5
R552 3K3
RV53 20K
R583 3K3
RV54 20K
R602 1K
C553 .0022uF
R543
C555 .0047uF
C598 220pF
C545 0.033uF
C544 0.01uF
C542 0.47uF
R546 100K
C543 0.01uF
R545 10K
R588 1K
R540 1M
C532 0.033uF
C531 0.47uF
R535 30K
R525 5K6
R536 2K2
R537 2K2
R538
R539 10K
R553 56K
C556 0.01uF
C557 100uF
+5V
IC52
CXA1082A
FE ATSC TZC TE DFCT DVEE MIRR FOK WDCK SPDLO SPDL(-) DVCC FSW
VC FGD FS3 FLB FE0 FE(-) SRCH TGU TG2 AVCC
MON MDP LOCK C864 3.5V VCOF ISET PDI BW
C592 0.01uF
C548 33uF
C571 0.1uF
C570 0.033uF
C599 100pF
R565 82K
C569 4.7uF
C568 0.1uF
L504 100uH
C593
C567
C600
C558 0.001uF
R554 3K6
RV55 1K
C559 33uF
R555 200K
R605 560
C560 4.7uF
Q511
R603 47K
C561
R556
C607 120pF
CUSTOM CODE
D515 D519 D523 D527 D514
D516 D520 D524 D528 D513
D517 D521 D525 D529 D512
D518 D522 D526 D530 D511
1N4148
FOLD

| UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING: - | | | | | REV NO. | TITLE | CONT ON SHEET F | SH NO. 1 |
|---|---|---|---|---|---|---|---|---|
| APPLIED PRACTICES | SURFACES | TOLERANCE ON MACHINED DIMENSIONS | | | | ****SCHEMATIC (CD) | | |
| | | FRACTIONS | DECIMALS | ANGLES | | FIRST MADE FOR RP-7946A | | |
| | ✓ | ± | ± | ± | CONT ON SHEET | SH NO. | FILENAME = 7946ADS1.SCH | |

NOTES:

1. Unless otherwise specifies,
   A. All resistors value in ohms.
   B. Capacitors value < 1 in uF.
   C. Capacitors value > 1 in pF.
2. Voltages are positive with respect to ground under no signal conditions and volume control min.
3. Replace transistors with type shown or order by catalog No. as listed in parts list.
4. Unless otherwise stated all voltages taken in radio "ON" position.
5. * Indicates critical safety component. Replace only with those specified from replacement parts list to maintain proper performances and safety of this unit.

+7V5 R598 100K

R601 2M2 R600 2M2 R599 110K C603 10uF

D501 1N4148 C515 100uF

+5V R515 10K C516 100uF

C605 1uF IC56 MC4558 R579 1K3 R511 10K R509 10K C507 .0015uF IC56 MC4558

REPLACE BY BUSS WIRE FOR AKD3308 & AKD3309

L OUT

C503 22uF R501 1K C501 22uF N506

R503 20K C505 330pF C509 330pF

R505 20K C511 10uF

+5V C589 0.1uF

LC7881 IC55

VDD2 BCLK DATA WCLK1 LACK WCLK2 VDD1 VREFH2 VREFH1 CH1OUT

TSTOUT TST1 TST2 IF GND1 VREFL1 GND2 VREFL2 NC CH2OUT

R588 1K

C604 1uF IC54 MC4558 R580 1K3 R512 10K R510 10K C508 .0015uF IC54 MC4558

REPLACE BY BUSS WIRE FOR AKD3308 & AKD3309

C504 22uF R502 1K C502 22uF

C518 100uF A-GND

R504 20K C506 330pF C510 330pF

R506 20K C512 10uF

D-GND

R535 20K R525 5K6 R536 12K R537 12K R538 R539 10K

IC53 CXD1167Q

C590 0.01uF

+5V C526 20pF Y501 8.4672M C527 20pF

R606 1K

C591 0.1uF C530 100uF +5V

R517 390 R516 390

C519 0.027uF C520 0.027uF

R519 10K Q501 R518 10K Q502

Q503 R520 4K7 (AKD3308/3309) JW0B Q505 J579 +7V5

Q504 R521 4K7

R522 4K7 (AKD3308/3309) JW0A

R523 4K7 Q506 R524 4K7

D514 1N4148 D513 1N4148 D512 1N4148 D511 1N4148

+7V5 C513 100uF VCC IC56 MC4558 GND

+7V5 C514 100uF VCC IC54 MC4558 GND

+7V5-S VC +5V L502 100uH R594 3K3 R595 3K

C576 0.01uF C577 470uF VCC BIAS IC57 KA9257 GND MUTE C578 0.1uF

GND-S

+7V5-S L501 100uH C583 0.01uF C584 470uF VCC BIAS IC58 KA9257 GND MUTE C585 0.1uF

GND-S

IC52
CXA1082A

FE (-)
SRCH
TGU
TG2
AVCC
TAO
TA (-)
SL (+)
SLO
SL (-)
SSTOP
FSET
SENS
AVEE
C.OUT
DIAC
XRST
DATA
XLT
CLK
DGND
BW
PDI
ISET
VCOF
3.5V

CUSTOM CODE

IC57
KA9257
IC58
KA9257

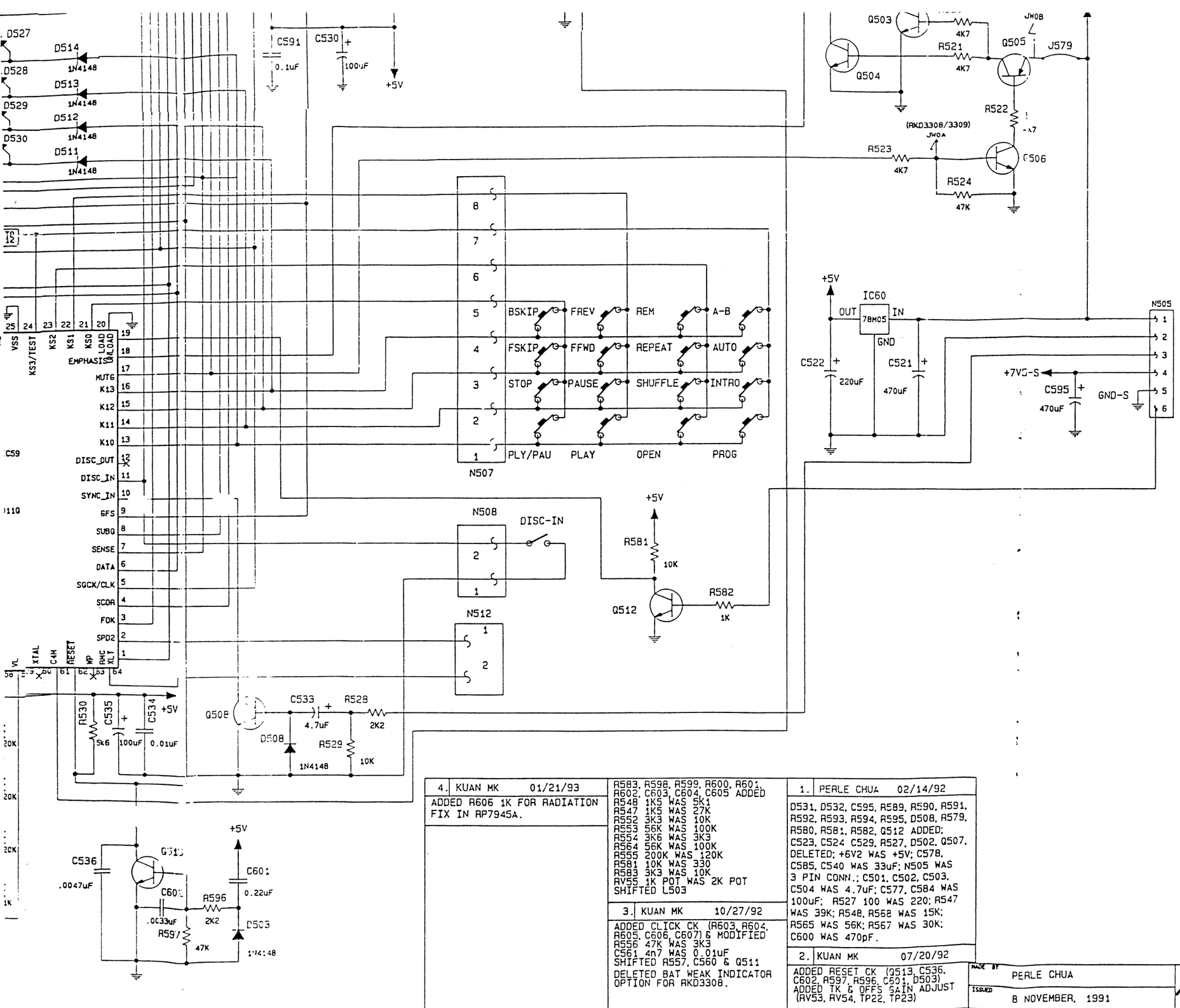
IC59
CXP10110

EMPHASIS
MUTG
DISC_OUT
DISC_IN
SYNC_IN
GFS
SUBQ
SENSE
DATA
SCOR
FOK
SPD2

ACTUATOR FCS (+)
ACTUATOR TRK (-)
ACTUATOR TRK (+)
ACTUATOR FCS (-)
N501.

SPINDLE (+)
SPINDLE (-)
FEED (+)
FEED (-)
LIMIT SW
LIMIT SW
N504

N509
N510
N511




| BUTTON CONTROLS | AKD2205 | AKD5204 | AKD3308 | AKD3309 |
|---|---|---|---|---|
| BSKIP | ✓ | ✓ | ✓ | ✓ |
| FSKIP | ✓ | ✓ | ✓ | ✓ |
| FREV | | | ✓ | ✓ |
| FFWD | | | ✓ | ✓ |
| PLAY/PAUSE | ✓ | ✓ | ✓ | ✓ |
| STOP | ✓ | ✓ | ✓ | ✓ |
| REMAIN | ✓ | ✓ | ✓ | ✓ |
| PROGRAM | ✓ | ✓ | ✓ | ✓ |
| REPEAT | ✓ | ✓ | ✓ | ✓ |
| SHUFFLE | ✓ | ✓ | ✓ | ✓ |
| INTRO SCAN | ✓ | ✓ | ✓ | ✓ |
| BATT WEAK IND. | | | | ✓ |
| REMOTE | | | | ✓ |
| MUSIC CALENDER | | | ✓ | ✓ |

| | | |
|---|---|---|
| 4. | KUAN MK | 01/21/93 |

ADDED R606 1K FOR RADIATION FIX IN RP7945A.

R583, R598, R599, R600, R601, R602, C603, C604, C605 ADDED
R548 1K5 WAS 5K1
R547 1K5 WAS 27K
R552 3K3 WAS 10K
R553 56K WAS 100K
R554 3K6 WAS 3K3
R564 56K WAS 100K
R555 200K WAS 120K
R581 10K WAS 330
R583 3K3 WAS 10K
RV55 1K POT WAS 2K POT
SHIFTED L503

| | | |
|---|---|---|
| 3. | KUAN MK | 10/27/92 |

ADDED CLICK CK (R603, R604, R605, C606, C607) & MODIFIED
R556 47K WAS 3K3
C561 4n7 WAS 0.01uF
SHIFTED R557, C560 & Q511
DELETED BAT WEAK INDICATOR OPTION FOR AKD3308.

| | | |
|---|---|---|
| 2. | KUAN MK | 07/20/92 |

ADDED RESET CK (Q513, C536, C602, R597, R596, C601, D503)
ADDED TK & OFFS GAIN ADJUST (RV53, RV54, TP22, TP23)

| | | |
|---|---|---|
| 1. | PERLE CHUA | 02/14/92 |

D531, D532, C595, R589, R590, R591, R592, R593, R594, R595, D508, R579, R580, R581, R582, Q512 ADDED; C523, C524 C529, R527, D502, Q507, DELETED; +6V2 WAS +5V; C578, C585, C540 WAS 33uF; N505 WAS 3 PIN CONN.; C501, C502, C503, C504 WAS 4.7uF; C577, C584 WAS 100uF; R527 100 WAS 220; R547 WAS 39K; R548, R568 WAS 15K; R565 WAS 56K; R567 WAS 30K; C600 WAS 470pF.

THOMSON
Video Europe GmbH
Funkschneise 5-9, 2800 Bremen 44

TM9320

| REVISIONS | PRINTS |
|---|---|
| 1. 02/14/92 PERLE CHUA | |
| 2. 07/20/92 MK KUAN | |
| 3. 10/27/92 MK KUAN | |
| 4. 01/21/93 MK KUAN | |

| | | | |
|---|---|---|---|
| MADE BY | PERLE CHUA | ENGINEERING | DIV OR DEPT |
| ISSUED | 8 NOVEMBER, 1991 | SINGAPORE | LOCATION |
| APPROVED | MK Kuan | #####176D81170001 | CONT ON SHEET F |

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